REMARKS

This paper is in response to the Final Office Action mailed February 16, 2006 and the Advisory Action mailed May 05, 2006, in which claims 1-7, 9-12, 14-17 and 19 were rejected. Applicant has thoroughly reviewed the outstanding Advisory Action and Office Action including the Examiner's remarks and the references cited therein. The following remarks are believed to be fully responsive to the Office Action and Advisory Action, and are believed to render the claims at issue patentable.

Claim Rejections - 35 U.S.C. § 103

According to the Office Action, claims 1, 4, and 7 were rejected under 35 U.S.C. 103(a) as being unpatentable over Harvey et al. (US 6,042,474) in view of Salmen et al. (US 2002/0094283 A1) and further in view of Perazzo (US 6,813,152 B2). Claims 2 and 3 were rejected under 35 U.S.C. 103(a) as being unpatentable over Harvey et al. modified by Salmen et al. and Perazzo as applied to claim 1, and in view of Varghese et al. (US 2001/0037985). Claim 5 was rejected under 35 U.S.C. 103(a) as being unpatentable over Harvey et al. modified by Salmen et al. and Perazzo as applied to claim 4, and further in view of Bonet (US 6,414,845 B2). Claims 6, 9, and 11 were rejected under 35 U.S.C. 103(a) as being unpatentable over Harvey et al. modified by Salmen et al. and Perazzo, and further in view of Seesemann (US 6,384,733 B1). Claim 10 was rejected under 35 U.S.C. 103(a) as being unpatentable over Harvey et al. modified by Salmen et al., Perazzo and Seesemann as applied to claim 9, and further in view of Varghese. Claim 12 was rejected under 35 U.S.C. 103(a) as being unpatentable over Harvey et al. modified by Salmen et al. and Perazzo and Seesemann as applied to claim 11, and further in view of Bonet. Claim 14 was rejected under 35 U.S.C. 103(a) as being unpatentable over Harvey et al. modified by Salmen et al., Perazzo and Seesemann, and further in view of Smith et al. (US 6,801,428 B2). Claims 15 and 16 were rejected under 35 U.S.C. 103(a) as being unpatentable over Harvey et al. modified by Salmen et al., Perazzo, Seesemann, and Smith et al. as applied to claim 14, and further in view of Varghese et al. Claim 17 was rejected under 35 U.S.C. 103(a) as being unpatentable over Harvey et al. modified by Salmen et al., Perazzo, Seesemann, Smith et al. and Varghese et al., and further in view of Bonet. Claim 19 was rejected under 35 U.S.C. 103(a) as being unpatentable over Harvey et al. in view of Salmen et al.

Applicant respectfully traverses these rejections. With respect to claim 1 of the present application, the heat dissipation module with twin centrifugal fans includes a honeycomb panel, a first fan, an air duct, a second fan, and an upper cover and a bottom cover. Especially, sliding rails are formed by the edges of the upper cover and the bottom cover on both sides of the first fan and the second fan of the heat dissipation module. Both of the upper cover and the bottom cover are utilized to not only couple with the first fan and the second fan, but also provide the heat dissipation module with an ability to slide and couple to the electrical equipment while the heat dissipation module is being inserted into the electrical equipment.

With particular reference to FIG. 8 of US 6,042,474, the ventilation unit 10 is fixed to the electronic apparatus chassis 70 and can not slide thereon. Further referring to FIGS. 5 and 6, Harvey fails to teach or suggest utilizing a bottom cover, as claimed, for coupling the ventilation unit to the electrical equipment. That is, the ventilation unit 10 has only one side equipped with the supporting member 12. On the other side, the ventilation unit 10 is only equipped with the PAM assembly 22 and has no bottom cover for sliding and coupling to the electronic apparatus chassis 70.

Referring to FIGS. 4 and 5 of US 2002/0094283 A1, Salmen discloses a fan module with two springy guiding and latching elements 43 for guiding the fan module during the insertion process into the corresponding fan housing 44. The springy guiding and latching elements 43 are extended from the contact pin clip 42 on the lateral surfaces of the fan module and arranged perpendicular in relation to a section of the contact pin clip 42. Therefore, during installation of the springy guiding and latching elements 43 on the ventilation unit 10 of Harvey, the out port of the ventilation unit 10 can be blocked by the contact pin clip 42.

Accordingly, the springy guiding and latching elements 43 of Salmen cannot be combined with the ventilation unit 10 of Harvey. In addition, both Salmen and Harvey fail to teach or suggest utilizing the edges of both of the upper cover and the bottom cover of the heat dissipation module as sliding rails on both sides of the first fan and the second fan of the heat dissipation module.

Therefore, claim 1 is not obvious in view of the cited references. For the same reason, claims 9 and 14, and claim 19 are also not obvious. Applicant respectfully submits that independent claims 1, 9, 14 and 19 are allowable over the cited references. In addition, claims 2-7, 10-12 and 15-17 depend on claims 1, 9 and 14, respectively, and add further limitations thereto, are also allowable over the cited references.

Accordingly, in view of the invention as a whole, applicant respectfully submits that claims 1-7, 9-12, 14-17 and 19 are not obvious in view of the cited references and respectfully requests withdrawal of the rejections. Now that the rejections in the Office Acton have been overcome, withdrawal of the rejections and expedited passage of the application to issue are respectfully requested.

CONCLUSION

Applicant has thoroughly reviewed the art cited but not relied upon by the Examiner. Applicant has concluded that these references do not affect the patentability of the claims as currently presented.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 07-1337 and please credit any excess fees to such deposit account.

Respectfully submitted
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